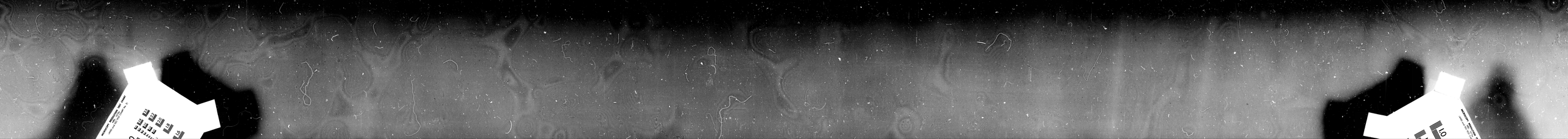


I49.89:82-47-1/map C 7

PORT SAINT JOE QUADRANGLE
FLORIDA
1:100 000-SCALE SERIES (TOPOGRAPHIC)

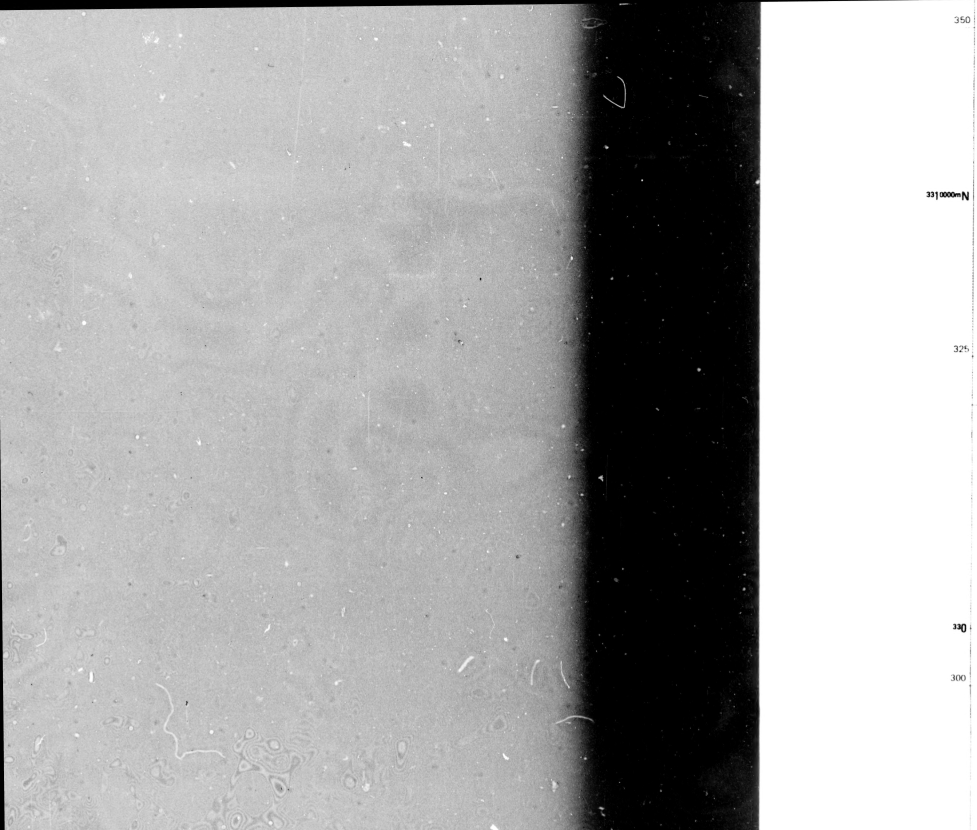
MAP C7

MMS 85-0011
FWS/OBS-82/47.1

Port St. Joe

FLORIDA ECOLOGICAL ATLAS

SOILS AND LANDFORMS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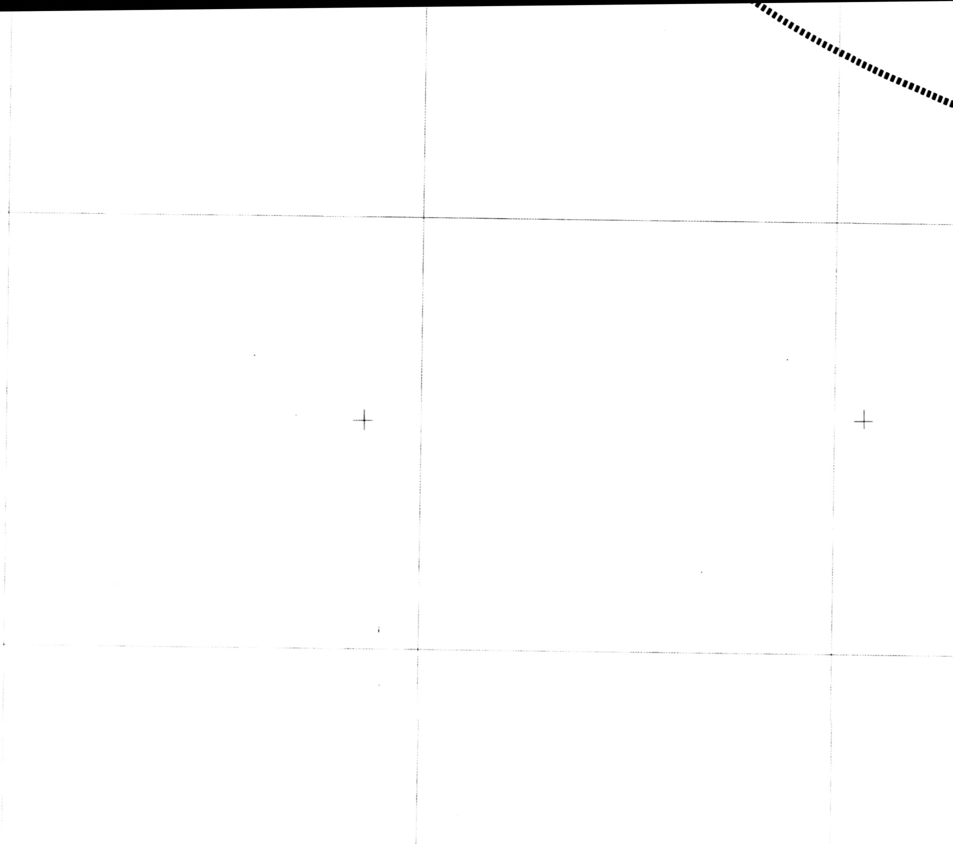

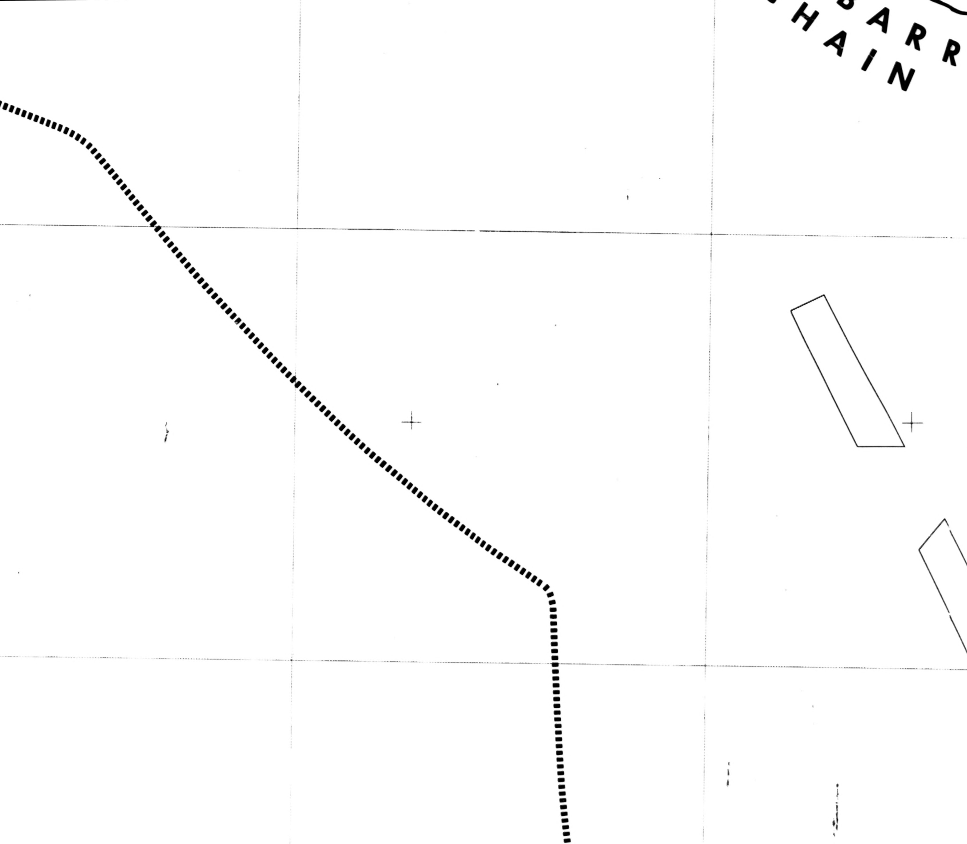

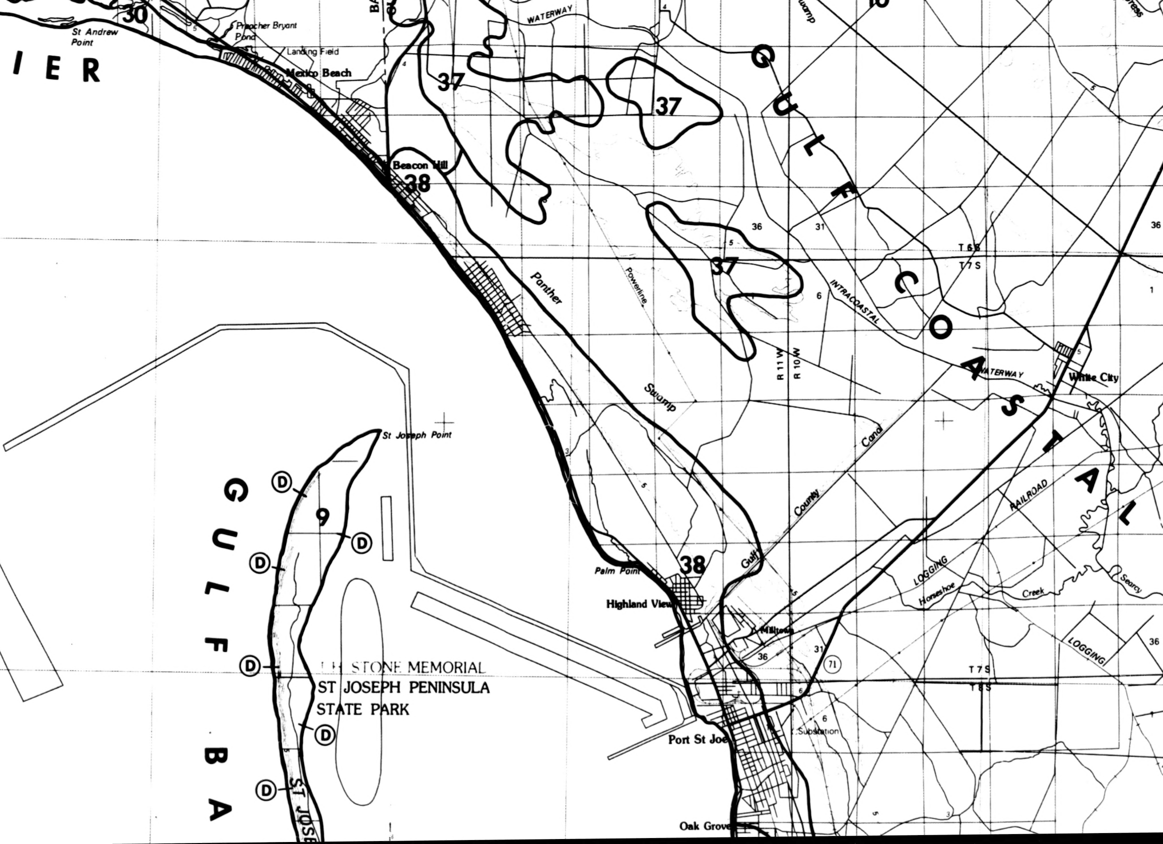
30
St Andrew Point
Preacher Bryant Pond
Landing Field
Mexico Beach
IER
WATERWAY
37
37
37
Beacon Hill
38
GULF COASTAL
Panther
Powerline
Swamp
36
31
T 6 S
T 7 S
6
INTRACOASTAL
WATERWAY
R 11 W
R 10 W
White City
36
1
St Joseph Point
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D
D
D
D
GULF BA
Canal
County
Gulf
RAILROAD
LOGGING
Horseshoe
Creek
Searcy
LOGGING
Palm Point
38
Highland View
Milltown
36
31
71
36
T 7 S
T 8 S
6
6
Substation
T. H. STONE MEMORIAL
ST JOSEPH PENINSULA
STATE PARK
Port St Joe
ST JOSE
Oak Grove
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5
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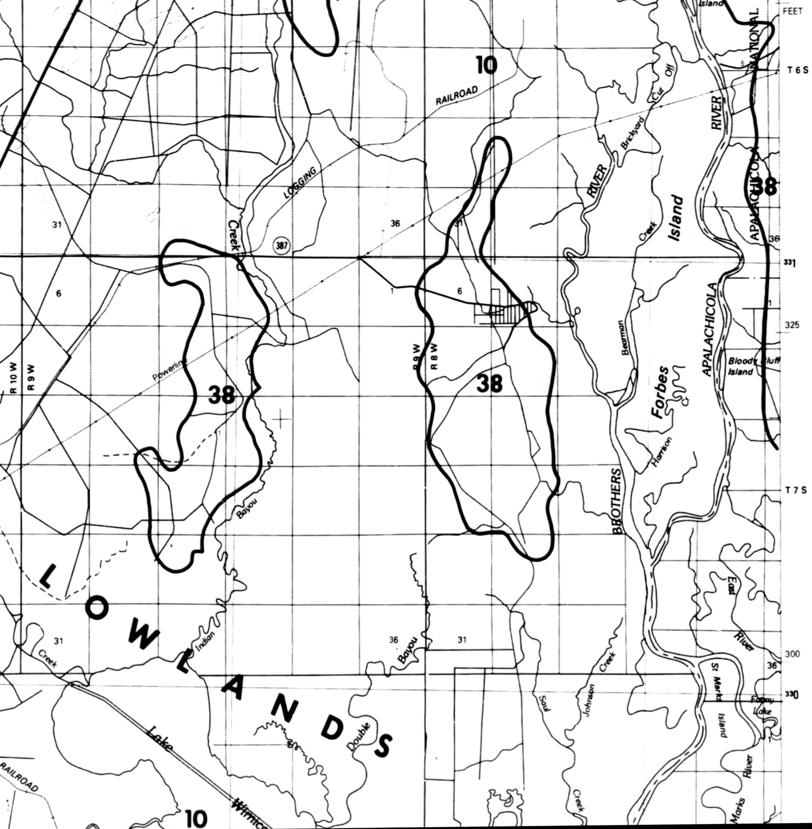
3



Island
FEET
NATIONAL
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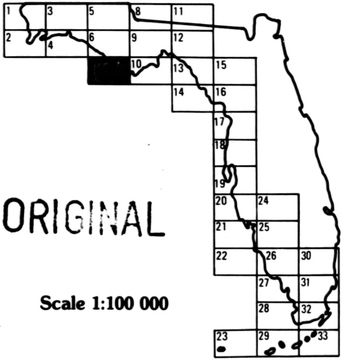
RAILROAD
Cut Off
Brickyard
RIVER
RIVER
LOGGING
Creek
387
31
36
31
RIVER
Creek
Island
38
APALACHICOLA
36
331
6
1
6
1
325
R 9 W
R 8 W
Bearman
APALACHICOLA
Bloody Bluff
Island
R 10 W
R 9 W
Powerline
38
38
Forbes
Cr.
Harrison
BROTHERS
T 7 S
Bayou
L O W L A N D S
East
River
31
36
Bayou
31
300
36
Indian
Creek
Creek
St Marks
330
Saul
Johnson
Fanny
Lake
Island
Lake
Double
Creek
River
RAILROAD
Marks
10
Wimico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ORIGINAL

Scale 1:100 000

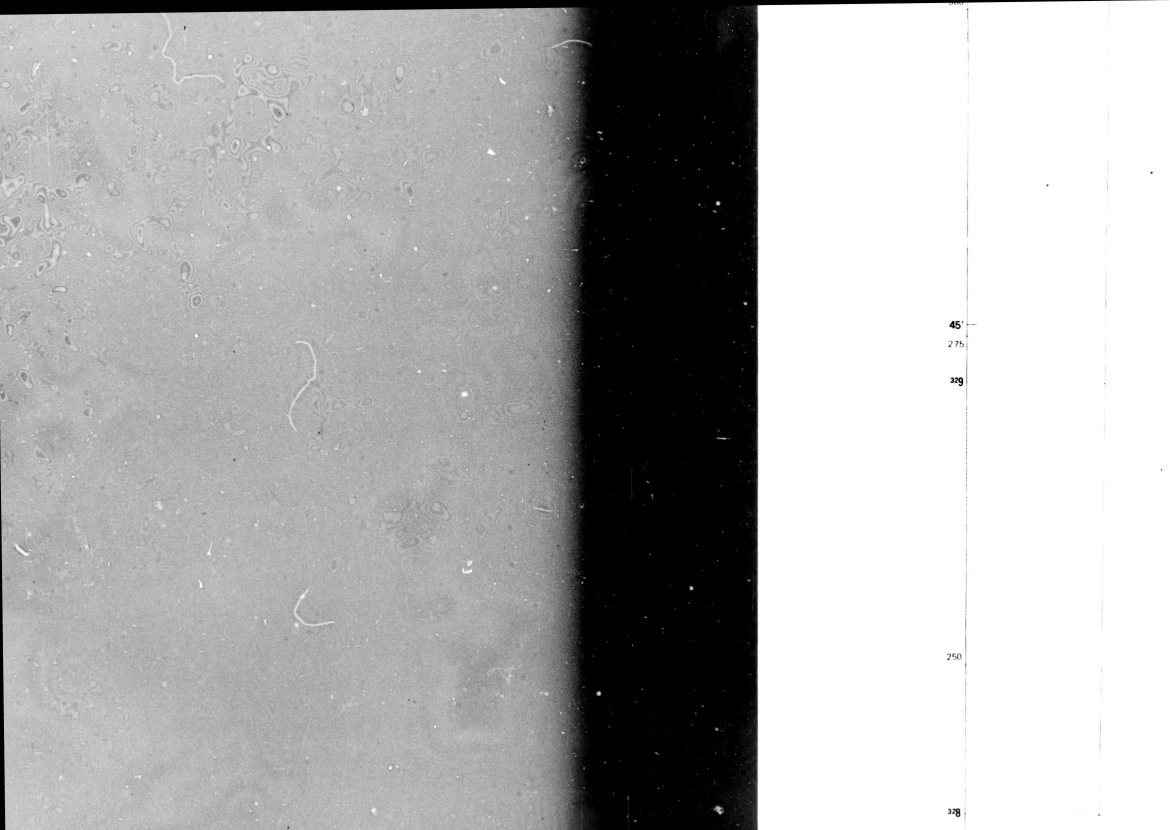
TOPICAL MAPS IN THIS ATLAS:

- A. BIOLOGICAL RESOURCES
- B. SOCIOECONOMIC FEATURES
- C. SOILS AND LANDFORMS
- D. OIL, GAS AND MINERALS
- E. HYDROLOGY AND CLIMATOLOGY

1984

Produced by U.S. Fish and Wildlife
Service and Minerals Management Service

**Projection and 10,000 meter grid, zone 17: Universal
Transverse Mercator**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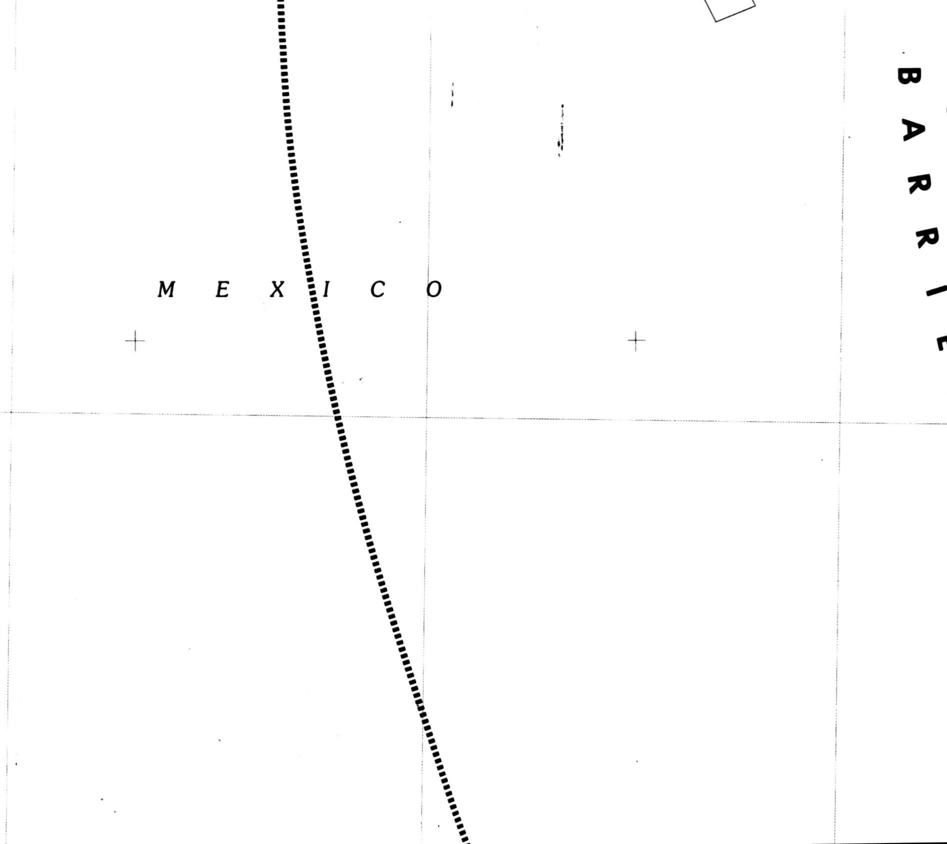
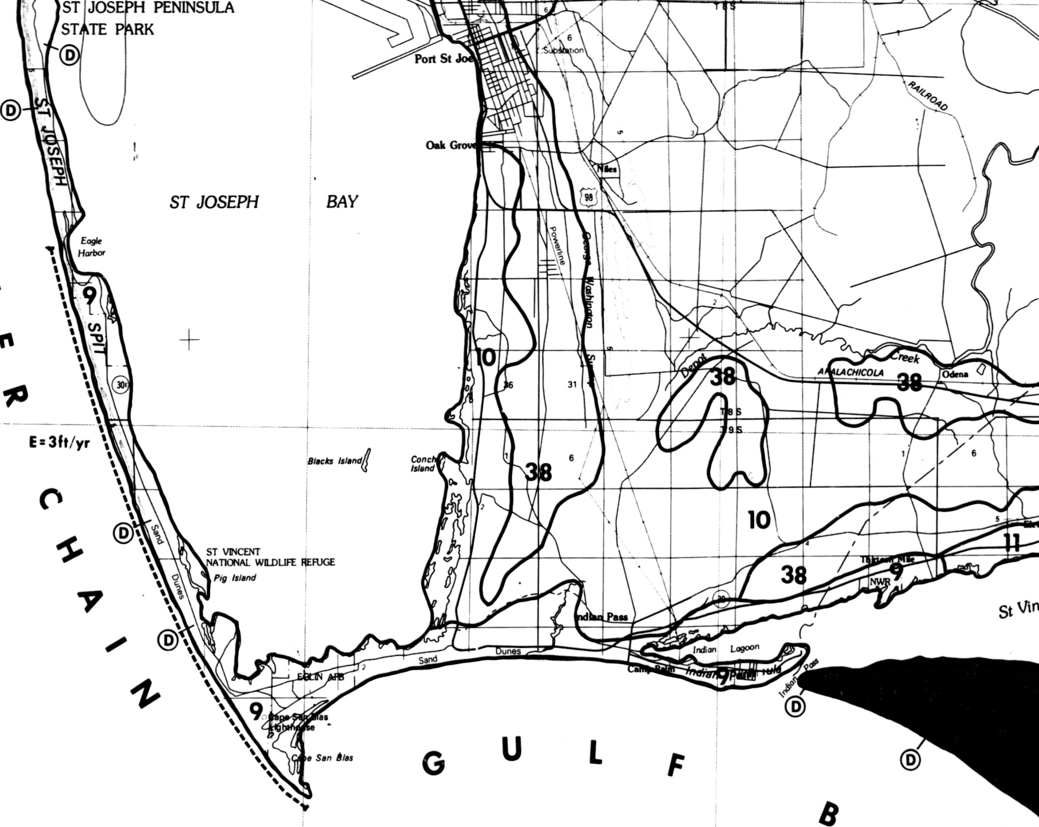
275
329
250
328


MEXICO
BARRI


ST JOSEPH PENINSULA
STATE PARK
D
D
ST JOSEPH
SPIT
Eagle Harbor
9
30E
E=3ft/yr
D
Sand
Dunes
D
9
Cape San Blas Lighthouse
Cape San Blas
ST JOSEPH BAY
Blacks Island
Conch Island
ST VINCENT
NATIONAL WILDLIFE REFUGE
Pig Island
EGLIN AFB
Sand
Dunes
Port St Joe
6
6
Substation
T 8 S
Oak Grove
Niles
98
5
3
RAILROAD
Powerline
George Washington Sunday
10
36
31
38
1
6
2
2
5
38
Depot
T 8 S
T 9 S
APALACHICOLA
Creek
38
Odena
1
6
10
4
5
38
11
Thirteen Mile
9
NWR
30
Indian Pass
Indian Lagoon
Camp Palm
Indian Peninsula
9
Indian Pass
D
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St Vin
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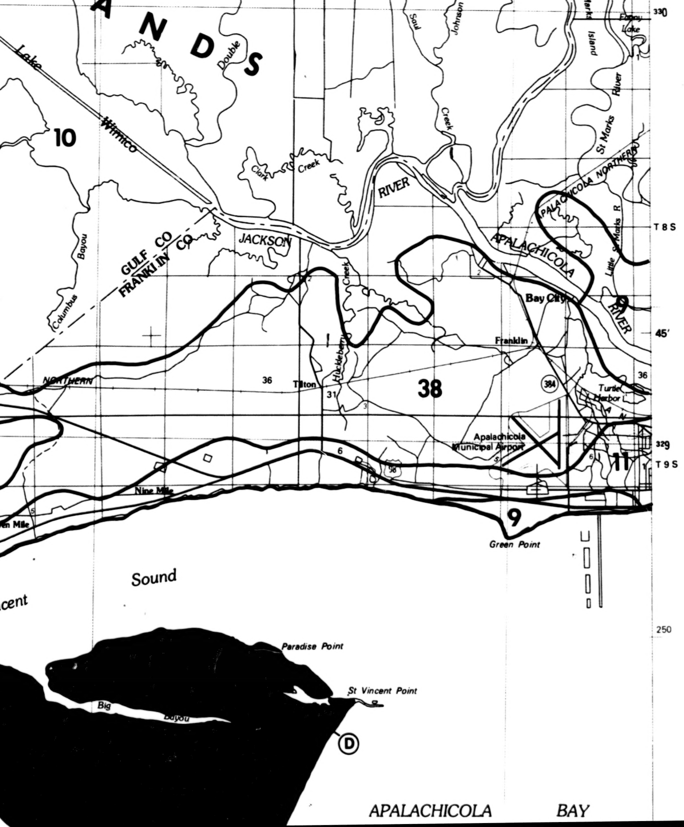

A N D S
Lake Wimico
Double
10
Soul
Johnson
Creek
Clark Creek
RIVER
JACKSON
Creek
GULF CO
FRANKLIN CO
Bayou
Columbus
Island
St Marks
River
Fanny Lake
APALACHICOLA NORTHERN
APALACHICOLA
Little St Marks R
Bay City
RIVER
Franklin
NORTHERN
36
Tilton
31
Huckleberry
38
384
Turtle Harbor
Apalachicola Municipal Airport
6
98
Nine Mile
en Mile
11
9
Green Point
Sound
cent
Paradise Point
St Vincent Point
Big Bayou
D
APALACHICOLA BAY
330
T 8 S
45′
329
T 9 S
250

Produced by U.S. Fish and Wildlife Service and Minerals Management Service

Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

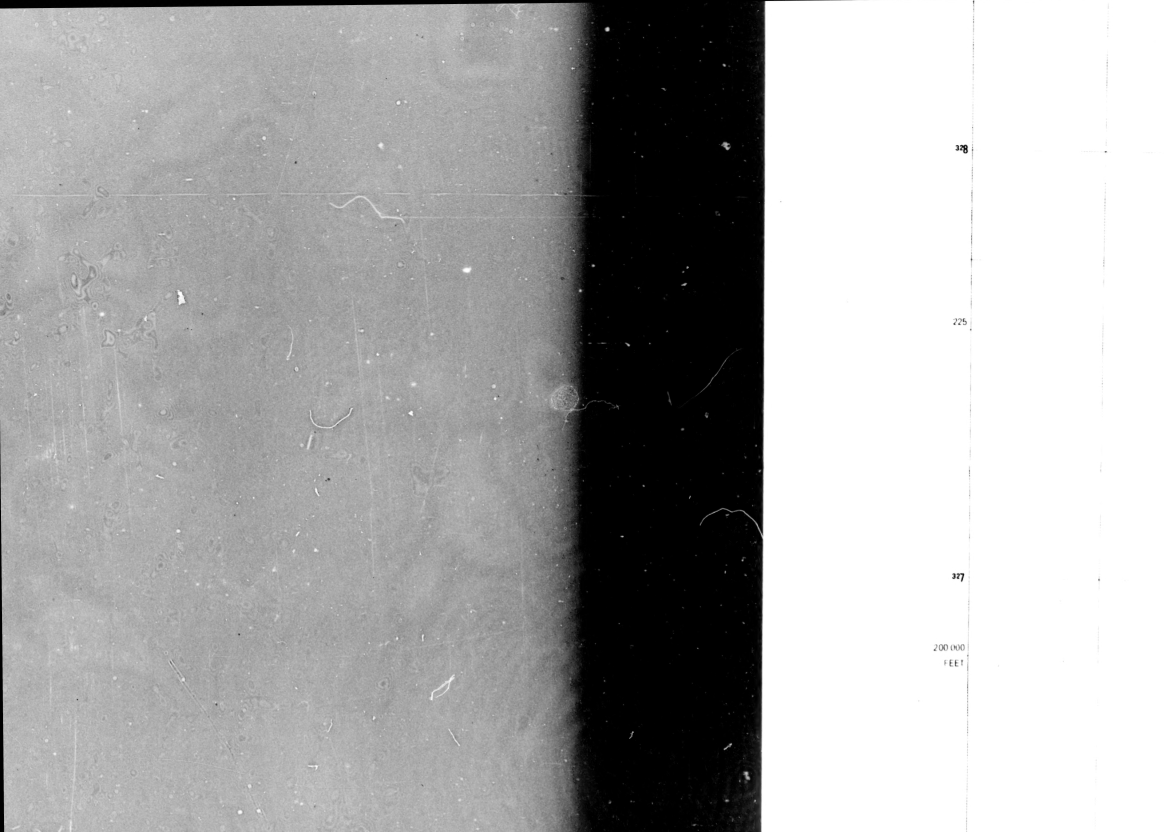
Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources.

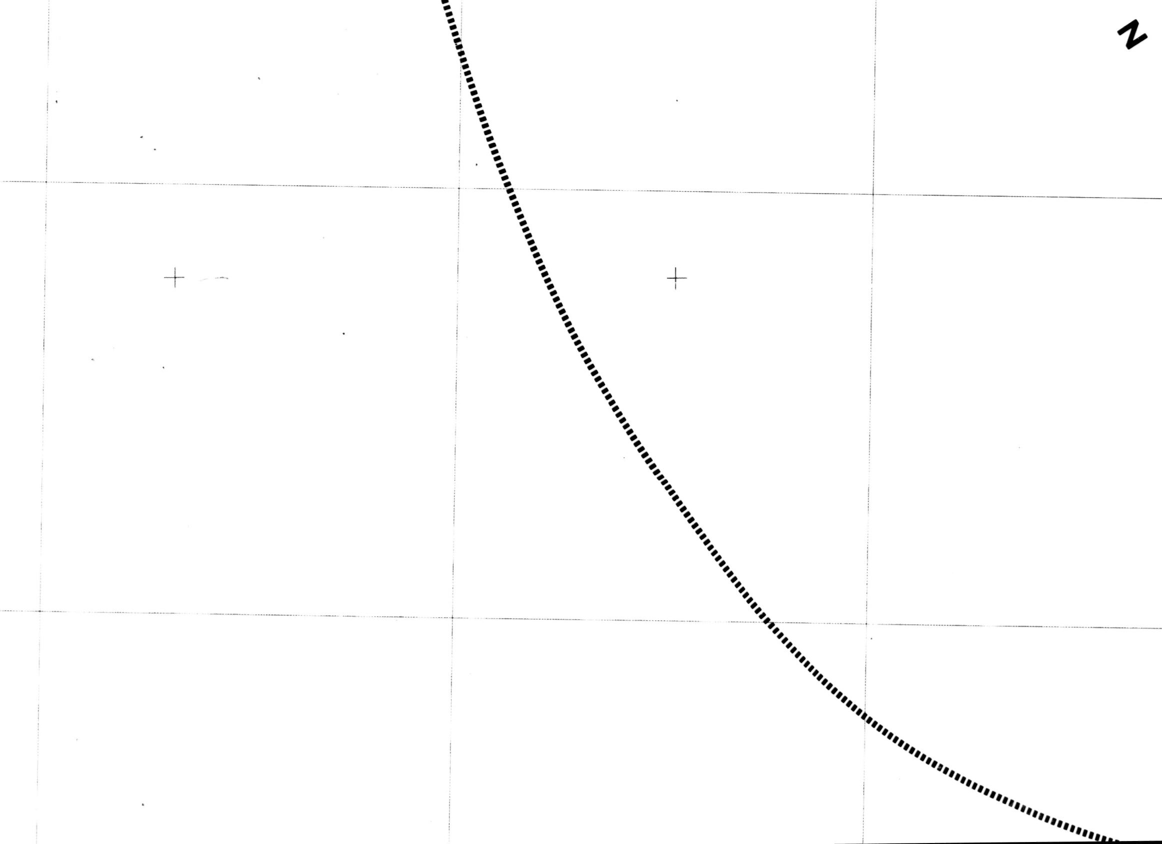
MAJOR SURFACE LANDFORMS

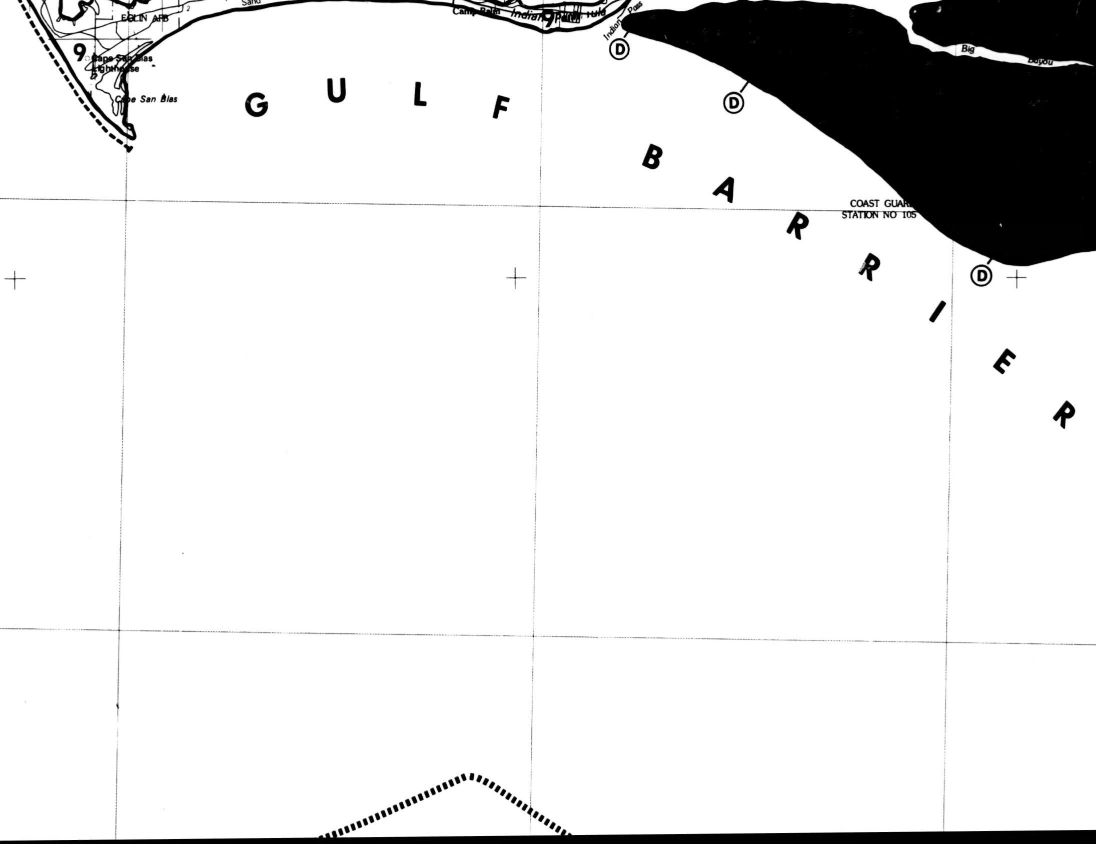
Western Highlands
Escambia Valley
Gulf Coastal Lowlands
Gulf Barrier Chain
Marianna Lowlands
New Hope Ridge
Greenhead Slope
Fountain Slope
Grand Ridge
Northern Highlands
Coastal Swamps
Brooksville Ridge
Western Valley

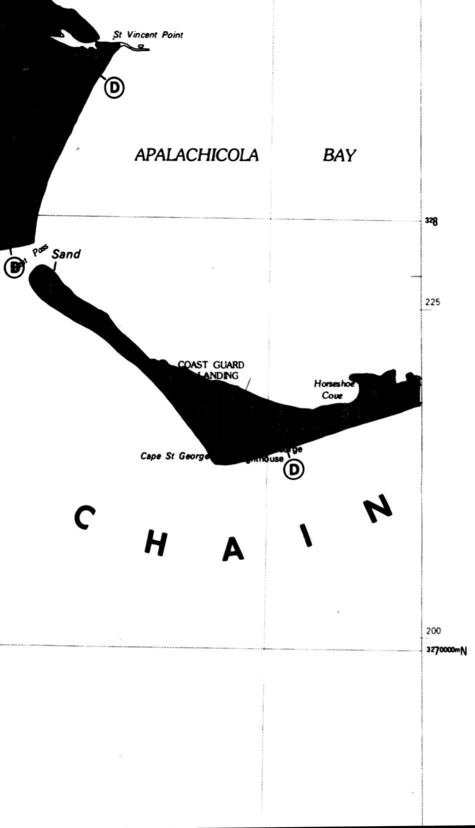
SOIL ASSOCIATIONS

1. Lakeland-Eustis-Lakewood Association
2. Lakeland, Ruston, and Norfolk-Sunsweet, Carnegie and Cuthbert Association
3. Red Bay-Blakely Association
4. Tifton-Carnegie-Faceville Association
5. Norfolk-Ruston-Savannah Association
6. Tifton-Irvington-Lynchburg Association
7. Klej-Leon Association
8. Huckabee-Kalmia-Izagota Association
9. Coastal Dune Land and Beach-Tidal Marsh Association
10. Plummer-Rutlege-Alluvial Land-Fresh Water Swamp-Dorovan-Pamlico Association
11. Lakeland-Paola-Kureb-St. Lucie-Rimini Association
12. Lakeland-Troup Association
13. Troup-Orangeburg Association
14. Dothan-Orangeburg Association
15. Red Bay-Lucy Association


328
225
327
200 000
FEET




Sand
EGLIN AFB
2
9
Cape San Blas Lighthouse
Cape San Blas
Camp Palm
Indian Peninsula
9
Indian Pass
Ⓓ
Ⓓ
Big Bayou
GULF
BARRIER
COAST GUARD STATION NO 105
Ⓓ


St Vincent Point
D
APALACHICOLA BAY
328
Pass
Sand
D
225
COAST GUARD LANDING
Horseshoe Coue
Cape St George
Lighthouse
D
CHAIN
200
3270000mN

5. Norfolk-Ruston-Savannah Association
6. Tifton-Irvington-Lynchburg Association
7. Klej-Leon Association
8. Huckabee-Kalmia-Izagota Association
9. Coastal Dune Land and Beach-Tidal Marsh Association
10. Plummer-Rutlege-Alluvial Land-Fresh Water Swamp-Dorovan-Pamlico Association
11. Lakeland-Paola-Kureb-St. Lucie-Rimini Association
12. Lakeland-Troup Association
13. Troup-Orangeburg Association
14. Dothan-Orangeburg Association
15. Red Bay-Lucy Association
16. Chipley-Scranton Association
17. Johns-Leaf Association
18. Salt Water Marsh-Bayvi-Dirego Association
19. Fuquay-Lucy-Troup Association
20. Dothan-Orangeburg-Tifton Association
21. Lakeland-Faceville Association
22. Chipley-Albany-Leon Association
23. Ardilla-Leefield-Stilson Association
24. Tifton-Faceville-Greenville Association
25. Norfolk-Ruston-Goldsboro Association
26. Tifton-Faceville-Marlboro Association
27. Lakeland-Cuthbert-Shubuta Association
28. Blanton-Klej-Plummer Association
29. Goldsboro-Lynchburg-Rains Association
30. Kureb-Resota-Mandarin Association
31. Lakeland-Foxworth-Centenary Association
32. Leefield-Albany-Stilson Association
33. Hurricane-Chipley-Albany Association
34. Pottsburg-Leon-Rutlege Association
35. Plummer-Pelham Association
36. Rutlege-Allanton-Pickney Association
37. Chipley-Albany-Stilson Association
38. Leon-Albany-Plummer-Chipley-Osier Association
39. Dunbar-Bladen Association
40. Dothan-Stilson-Lucy Association
41. Ardilla-Leefield-Pansey Association
42. Chipley-Albany-Blanton Association
43. Leon-Felda-Matmon Association
44. Dothan-Orangeburg-Red Bay Association
45. Alpin-Blanton-Eustis Association
46. Orangeburg-Lucy-Dothan Association
47. Chipley-Albany-Plummer Association
48. Leon-Mascotte-Rutlege Association
49. Broward, var.-Matmon-Osier Association
50. Manatee, var.-Felda, Var.-Copeland, Var. Association
51. Fresh Water Swamp, Shallow to Limestone Association
52. Salt Water Marsh and Swamp-Coastal Dunes Association
53. Alpin-Blanton Association
54. Chipley-Blanton-Swamp Association
55. Adamsville, var.-Chiefland-Blanton Association
56. Candler-Apopka Association
57. Jonesville-Chiefland-Archer Association
58. Arredondo-Gainesville Association
59. Hernando-Archer-Chiefland Association
60. Sparr-Lochloosa-Tavares Association
61. Adamsville-Osier Association
62. Bushnell-Wabasso-Felda Association
63. Blichton-Flemington-Kanapaha Association
64. Leon-Mascotte-Surrency Association

MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)
1.0
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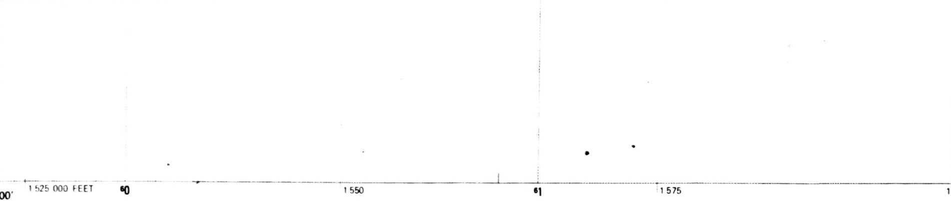


THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS - 82/47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:

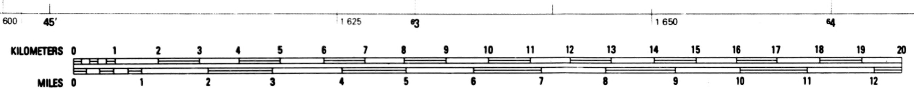
LANDFORMS: Physiographic Map of Florida,
State Bureau of Geology, 1980.

SOILS: General Soils Atlas of Florida,
Division of State Planning, 1975.
General Soils Atlas of Florida, U.S.
Soil Conservation Service, 1982.

ACTIVE DUNES: Black and White Aerial
Photography, 1:80,000 Scale, Mark Hurd
Aerial Surveys Inc., 1980.
Topographic Maps, 1:24,000 Scale, U.S.
Geological Survey, various dates.

GEOLOGIC FAULTS: Map of Escambia and
Santa Rosa Counties Showing Contours on top
of the Lower Limestone of the Floridan
Aquifer, State Bureau of Geology, 1965.

FOR COMPLETE REFERENCES SEE MAP NARRATIVE


600
45′
1 625
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1 650
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1 675
30′
KILOMETERS 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
MILES 0 1 2 3 4 5 6 7 8 9 10 11 12

SCALE 1:10

1 CENTIMETER ON THE MAP REPRESENTS 1

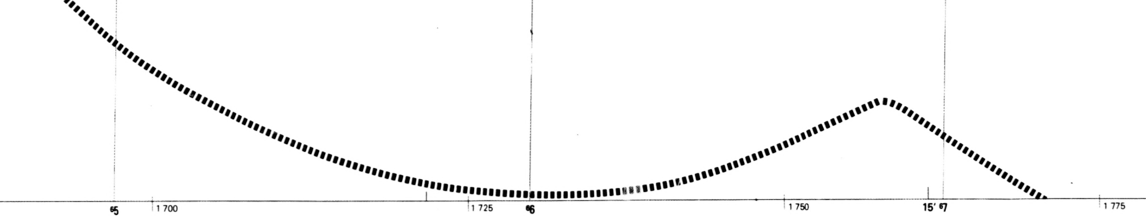
CONTOUR INTERVAL

9. **Coastal-Dune Land and Beach-Tidal Marsh Association:** Nearly level, sandy soils and poorly drained soils subject to frequent flooding by tidal waters and gently sloping, sandy soils not subject to flooding by tidal waters.

10. **Plummer-Rutlege-Alluvial Land-Fresh Water Swamp-Dorovan-Pamlico Association:** Nearly level, poorly drained soils with a thick surface layer overlying a loamy subsoil and very poorly drained soils that are sandy throughout.

11. **Lakeland-Paola-Kureb-St. Lucie-Rimini Association:** Nearly level to steep, excessively drained soils, sandy throughout.

30. **Kureb-Resota-Mandarin Association:** Nearly level, gently sloping, excessively drained and moderately well drained soils, sandy to depths of 80 inches or more, some of which have organic stained sandy layers.



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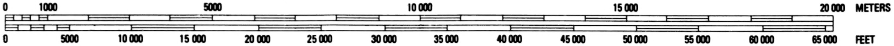
KILOMETER ON THE GROUND

5 METERS



33. **Hurricane-Chipley-Albany Association:** Nearly level to gently sloping, somewhat poorly drained soils, some sandy throughout and some sandy to depths of 40 inches or more and loamy below.

34. **Pottsburg-Leon-Rutlege Association:** Nearly level, poorly drained soils sandy to depths of 80 inches and some with organic stained sandy layers.

35. **Plummer-Pelham Association:** Nearly level, poorly drained sandy soils that have loamy subsoils at depths of 40 inches or more, or within depths of 20 to 40 inches.

36. **Rutlege-Allanton-Pickney Association:** Nearly level or depressional, very poorly drained soils, sandy to depths of 80 inches or more, and some with organic stained sandy layers.

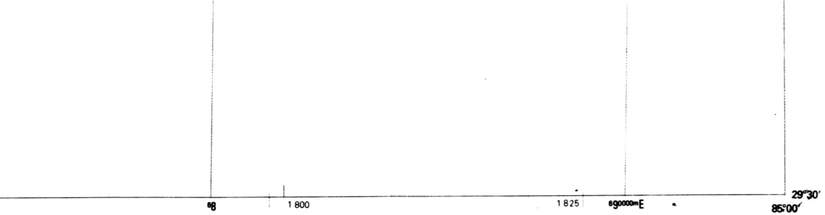
37. **Chipley-Albany-Stilson Association:** Nearly level, moderately well drained soils that are sandy throughout, poorly drained soils with very thick sandy layers over loamy subsoil, and moderately well drained sandy soils with loamy subsoils.

38. **Leon-Albany-Plummer-Chipley-Osier Association:** Nearly level, poorly drained sandy soils with weakly cemented sandy subsoil, and poorly drained soils with very thick sandy layers over loamy subsoil.

39. **Dunbar-Bladen Association:** Nearly level, poorly drained loamy soils with clayey subsoils.

41. **Ardilla-Leefield-Pansey Association:** Nearly level, somewhat poorly and poorly drained sandy soils with weakly cemented sandy subsoil and very thick sandy layers over loamy subsoil.

E=__ft/yr - - - - - - -	**BEACH EROSION AREA** (Period of Record: 1957-1981; Univ. of West Florida, 1981)
A=__ft/yr ———	**BEACH ACCRETION AREA** (Period of Record: 1957-1981; Univ. of West Florida, 1981)
■	**GULF BARRIER ISLAND**
Ⓓ	**ACTIVE DUNE AREA**



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87.

U
D
NORMAL FAULT
(Showing relative vertical movement, U, up, and D, down)

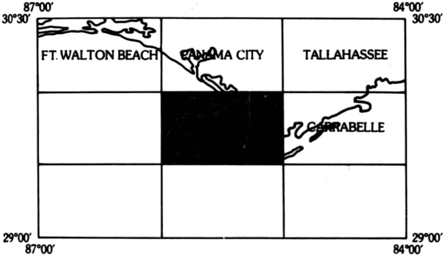
U
D
SUB-SURFACE NORMAL FAULT
(Showing relative vertical movement, U, up, and D, down)

STUDY AREA BOUNDARY

▮▮▮▮▮▮▮▮▮▮▮▮ **Offshore**

— - — - **Inland (County)**

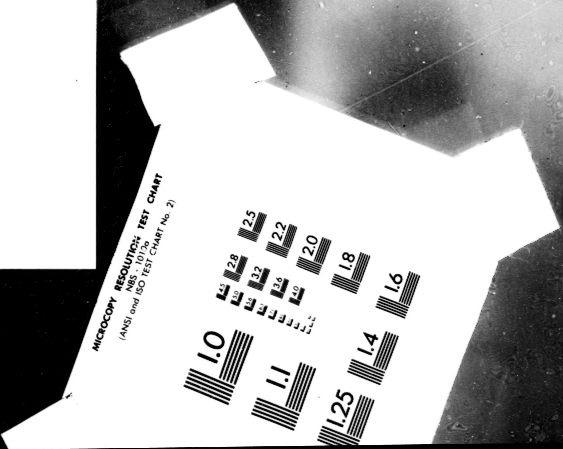
—— - - —— **Inland (State)**



2

Chipley-Blanton-Swamp Association
Adamsville, var.-Chiefland-Blanton Association
Candler-Apopka Association
Jonesville-Chiefland-Archer Association
Arredondo-Gainesville Association
Hernando-Archer-Chiefland Association
Sparr-Lochloosa-Tavares Association
Adamsville-Osier Association
Bushnell-Wabasso-Felda Association
Blichton-Flemington-Kanapaha Association
Leon-Mascotte-Surrency Association
Lynne-Pomona-Pompano Association
Candler-Paola-Tavares Association
Candler-Adamsville-Pompano Association
Arredondo-Kendrick Association
Broward-Boca Association
Panasoffkee-Bushnell Association
Myakka-Basinger Association
Meggett, var.-Pompano Association
Terra Ceia-Placid Association
Arredondo-Sparr-Kendrick Association
Candler-Lake Association
Masaryk Association
Nobleton-Blichton-Flemington Association
EauGallie-Wabasso-Basinger Association
Paisley-Floridana-Wabasso Association
Okeelanta-Aripeka-Terra Ceia Association
Homosassa-Weekiwachee-Lacoochee Association
Floridana-Basinger Association
Salt Water Marsh and Swamp Association
Fresh Water Swamp and Marsh Association
Blichton-Lochloosa-Kendrick Association
Paisley-Bushnell Association
Myakka-Pomello Association

MICROFILMED FROM
BEST AVAILABLE COPY


MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)
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2.2
2.0
1.8
1.6
2.8
3.2
3.6
4.0
4.5
5.0
1.0
1.1
1.25
1.4